

From owner-qrp-l@netcom.com Sat Oct 29 18:16:06 1994
Date: Fri, 28 Oct 1994 08:34:03 +0800
From: Raymond.Anderson@EBay.Sun.COM (Ray Anderson)
Message-Id: <9410281534.AA01303@uranium.EBay.Sun.COM>
Subject: 160 meter beacon ??

If I remember correctly, some months ago Jeff NH6IL was getting ready to put a 160 meter beacon on the air from the Sandwich Islands. Did this ever happen, and if so on what frequency ?? Just wondering.

72's de WB6TPU Ray
raymonda@uranium.ebay.sun.com

From owner-qrp-l@netcom.com Sat Oct 29 09:56:12 1994
From: jwp@chemical-eng.edinburgh.ac.uk
Date: Fri, 28 Oct 94 18:00:19 GMT
Message-Id: <18856.9410281800@aith.chemeng.ed.ac.uk.chemeng.ed.ac.uk>
Subject: 40 ssb/qrp

I will be visiting the US and, if FCC send my reciprocal permit in time, bringing my Mizuho MX7s which is a 2W 40m ssb handheld.

It is vxo controlled, with each crystal giving about 25kHz coverage. I have crystals for the whole European band from 7.000 to 7.100, ssb and CW, but I believe that this is all CW in the US.

Question: if I only have 25kHz of the N American band for qrp-ssb, what is my best bet?

Help will be appreciated.

72/73
Jack, GM0RWU, hopefully /W1 and /W6

From owner-qrp-l@netcom.com Sat Oct 29 15:48:55 1994
Date: Sat, 29 Oct 1994 10:36:11 +0800 (PST)
From: william kennerly <hbmus001@huey.csun.edu>
Subject: <didn't bother with a subject>
Message-Id: <Pine.3.03.9410291011.A3905-5100000@huey.csun.edu>

unsubscribe

From owner-qrp-l@netcom.com Sat Oct 29 09:56:19 1994
Date: Fri, 28 Oct 94 14:29:54 -0500

From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <9410281929.AA17868@chuck.dallas.sgi.com>
Subject: AC4HF Review

Gang,

Just before the meeting at Two Guys From Italy last night I ran by a couple of stores in Sunnyvale/Mt View area. I picked up the latest issue of 73 magazine. In it, Jeff AC4HF, has a review of the MXM Simple Transceiver starting on page 32.

On the same page is a photo of the rig from the top.

He says "... and a very nice aluminum case (I liked the case the way it came and didn't bother to paint it)." It just so happens that the case is the one that I had announced a year ago on the net. So, if you want to see what it looks like from one view here is your chance.

I have two of these rigs, 40M and 20M, but haven't had time to write up my review, but promise to do so soon.

dit dit
SIG
Chuck Adams K5FO CP-60
adams@sgi.com

From owner-qrp-l@netcom.com Sat Oct 29 09:41:17 1994
Date: Fri, 28 Oct 1994 17:57:09 -0400 (EDT)
From: Jim Stafford-W4QO <w4qo@america.net>
Subject: Re: alt.radio.amateur.qrp ??
Message-Id: <Pine.SV4.3.91.941028175459.18969A-1000000@atl1>

On Thu, 27 Oct 1994, John Fleming wrote:

> Why isn't this list a usenet group? Certainly more useful than a whole bunch
> of the others !

It certainly is, but perhaps this is because it is not a usenet. I'm sure others will have other reasons for keeping it like this, but I like it.

73, JIM, W4QO

RadioActive Schools(sm)

From owner-qrp-l@netcom.com Sat Oct 29 10:06:18 1994
From: Dave Munroe <dmunroe@hvpclmun.vcd.hp.com>
Message-Id: <9410281731.AA01342@hvpclmun.vcd.hp.com>
Subject: Re: alt.radio.amateur.qrp ??
Date: Fri, 28 Oct 94 10:31:48 PDT

> Why isn't this list a usenet group? Certainly more useful than a whole bunch
> of the others !

It wouldn't take much to create alt.radio.amateur.qrp, just someone to
newgroup it. I think it would be nicer to stay in the rec heirarchy
though; this requires a request for discussion in news.groups followed
by a call for votes. Does anyone have experience with this?

Either way, it would make things a lot more convenient and would lighten
the load on many a mailbox.

-Dave

```
-----v-----
| Dave Munroe      | xx7xxx Tech+HF, just another QRP DX addict |
| dmunroe@vcd.hp.com |                               (awaiting license)              |
|-----|
| You know you've been studying code too long when you automatically try to |
| decode random clicks and rattles inside your house, car, or office.        |
|-----|
```

From owner-qrp-l@netcom.com Sat Oct 29 10:53:13 1994
Message-Id: <9410281337.AA15463@kaos.ksr.com>
Subject: Re: alt.radio.amateur.qrp ??
Date: Fri, 28 Oct 94 09:37:14 -0400
From: "John F. Woods" <jfw@ksr.com>

> Why isn't this list a usenet group? Certainly more useful than a whole bunch
> of the others !

Perhaps it's more useful than most usenet groups because it isn't a usenet
group... HI HI.

(Actually, I'm only half kidding. The last time a mailing list I was on became

a usenet group, it took exactly seven days for it to become a useless sewer. Fortunately, I think QRP is a topic less likely to attract the kind of morons who detonated comp.futures.)

73, John, WB7EEL/1

From owner-qrp-l@netcom.com Sat Oct 29 11:21:34 1994
Date: Fri, 28 Oct 94 10:31:16 MDT
From: miker@cc.com (Mike Robinson)
Message-Id: <9410281631.AA27121@cc.com >
Subject: Apply the 'QRP' term

Fellow QRP'ers,

The QRP term has been explained here as
5 watts or less. QRPP is less than 1 watt.

This is when the term QRP is applied to
power out. What is the definition of QRP when
applied to dollars put in?

How about this: QRP\$ is less then \$500. QRPP\$
is less then \$100. If so, then the NEQRP 30-40
is a QRPP rig at QRPP\$. The Sierra is a QRP rig
at QRP\$.

Any thoughts?

=====
7.3 de Michael kg0ot (formerly kd6wdd, soon to be aa0s_)
miker@cc.com --==<< I'm the last 'S' in KISS >>==--
=====

From owner-qrp-l@netcom.com Sat Oct 29 15:00:17 1994
Message-Id: <199410271342.JAA03597@thor.INS.CWRU.Edu>
From: Stephen Trier <sct@po.cwru.edu>
Date: 27 Oct 1994 13:42:02 GMT
Subject: Bad question...

Last night, I was asked to talk at a local ham radio club meeting, about
"anything of interest", a dangerous topic if I've ever seen one. I did
prepare something about "being a new ham in the 90's", but I brought along
a backup: If all else fails, bring out the show and tell!

The OHR Spirit attracted much interest, both from the experienced hams
and from the one other beginner in the room. It was thoroughly inspected,

inside and out, and one QRO guy was intrigued by the idea of so "simple" a radio.

I did get stuck with one embarrassing question. After I admitted that the Spirit wasn't aligned, my 'scope was broken, my crystal calibrator wasn't calibrated, and no, I didn't really know that my QRP wattmeter was accurate, someone asked with a grin, "Aside from your handheld, is there anything in your shack that works?" :-)

Stephen

--

Stephen Trier "[W]hen you've got Ethernet running to your desktop,
sct@po.cwru.edu you don't want to talk to people."
KG8IH - jacobs@eek.student.cwru.edu, on ham radio at CWRU

From owner-qrp-l@netcom.com Sat Oct 29 13:07:35 1994
From: jeffrey@math.hawaii.edu
Date: Wed, 26 Oct 94 13:16:05 HST
Message-Id: <9410262316.AA12267@cruncher.math.hawaii.edu>
Subject: Re: Color Burst Crystals

Craig,
If you've got a junked TV (or if you think that only junk is on TV) just yank the xtal out. Not a week goes by without my seeing an old TV sitting on a neighborhood curb awaiting the trash collectors. I've gotten to the point where it only takes me 10 minutes to strip the chassis from one, and I'm on my what with enough components to last a year.
The UHF tuners contain a great variable cap.

.73 Watts from Hawaii,
Jeff NH6IL

From owner-qrp-l@netcom.com Sat Oct 29 14:04:42 1994
Date: Wed, 26 Oct 1994 15:56:32 -0230 (NDT)
From: Robert Gobrick <bgobrick@random.ucs.mun.ca>
Subject: Re: Color Burst Crystals
Message-Id: <Pine.3.87.9410261532.A25238-01000000@random.ucs.mun.ca>

Craig - you have a color TV in the house don't you.....

;-) Bob V01DRB/WA6ERB

On Wed, 26 Oct 1994, Craig LaBarge wrote:

> Can anyone suggest a source for 3579.545 KHz crystals? I had one
> on those critters around here somewhere, but I can't find it.
>
> Thanks & 73,
>
> Craig WB3GCK
> 74740.3166@compuserve.com
>
>

From owner-qrp-1@netcom.com Sat Oct 29 11:37:59 1994
Date: Thu, 27 Oct 1994 22:06:30 -0600 (MDT)
From: "James P. Rybak" "
<jrybak@mesa5.netcom.com>
Subject: DSP Filters for QRP Portable
Message-Id: <Pine.3.89.9410272201.E17530-0100000@mesa5>

Has anyone used an outboard DSP filter as part of a portable QRP setup?
Which DSP filters are recommended as far as good performance, 12 volt
operation, and low current requirements are concerned?

TNX Jim Rybak W0KSD

From owner-qrp-1@netcom.com Sat Oct 29 21:06:13 1994
Date: Sat, 29 Oct 1994 17:39:46 +0600
From: bhowle@freud.inst.com (Bob Howle)
Message-Id: <9410292239.AA08393@freud>
Subject: FOR SALE: MFJ 9030 (fwd)

----- start of forwarded message -----
Path: freud.inst.com!darwin.sura.net!howland.reston.ans.net!news.sprintlink.net!
EU.net!uunet!news.delphi.com!usenet
>From: Robert Schnick <qrp@delphi.com>
Newsgroups: rec.radio.swap
Subject: FOR SALE: MFJ 9030
Date: Sat, 29 Oct 94 09:27:34 -0500
Organization: Delphi (info@delphi.com email, 800-695-4005 voice)
Lines: 3
Message-ID: <Jk61jiW.qrp@delphi.com>
NNTP-Posting-Host: bos1f.delphi.com

MFJ 9030 30 meter CW QRP transceiver with narrow filter. \$130 includes
shipping.

Send an E-Mail

----- end of forwarded message -----

From owner-qrp-1@netcom.com Sat Oct 29 13:36:47 1994
Date: Wed, 26 Oct 1994 21:28:00 -0400 (EDT)
From: wynn c c <wyn@stc06.CTD.ORNL.GOV>
Subject: Fox Hunt Report
Message-Id: <Pine.OSF.3.91.941026212235.8665A-100000@stc06.CTD.ORNL.GOV>

Hi Gang,

Bagged the old fox at 7.110 Mhz at 0115Z using 4 watts and folded dipole nr Knoxville Tn. I'd like to hear more about Stan's antenna farm--a bodacious signal for Monterey this time of night. Was that a thousand miless per watt for Stan?

72/73,

Clay, N4AOX
wyn@ornl.gov

From owner-qrp-1@netcom.com Sat Oct 29 20:08:31 1994
Subject: Re: Fox Hunt Report
Date: Sat, 29 Oct 94 14:09:21 PDT
From: "Stan Goldstein, N6ULU" <stan@cruzio.com>
Message-Id: <9410291409.aa10813@cruzio.cruzio.com>

wynn c c writes:

>
> Hi Gang,
> Bagged the old fox at 7.110 Mhz at 0115Z using 4 watts and folded
> dipole nr Knoxville Tn. I'd like to hear more about Stan's antenna
> farm--a bodacious signal for Monterey this time of night. Was that
> a thousand miless per watt for Stan?
>
> 72/73,
>
> Clay, N4AOX
> wyn@ornl.gov
>

Hi Clay, the antenna system , was put together in qrp fashion , even if not true qrp according to some.

Picked up most of the rohn 25 sections used from a local and bought a used 4 element 10-15-20 quad (for \$150). Rewired the quad, and I was on 3 bands.

Later , I bought a used cushcraft 2 element 40 m antenna and after extensive modeling using W7EL's Elnec, found there was substantially no interaction when mounting the 2 40m elements on the same boom as the quad.

The installation was a bit tougher since the elements needed 22 foot spacing and I couldnt find any volunteers to walk out 11 feet on the thin wall quad boom to attach the elements. But eventually , I did get it done . I estimate I have approximately \$ 1500 bux in the antenna system including the tailtwister rotor and all the coax and guy wires. I later found that the 40m cushcraft works well on 17 and 12 meters. I originally thought this was due to to some loading effects of all the quad wires, but after talking to other hams that have the 40cd2 (?) , I heard their antennas also work on 17 & 12 meters so it really seems to be a function of the way the elements are loaded that causes the loading scheme to act as a trap.
73 Stan

--

Stan Goldstein , N6ULU

From owner-qrp-l@netcom.com Sat Oct 29 14:25:40 1994
Date: Wed, 26 Oct 94 13:06:50 -0500
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <9410261806.AA11055@chuck.dallas.sgi.com>
Subject: Fox Hunt Tonight

Gang,

Remember that Stan, N6ULU, is the fox tonight at 0100Z to 0300Z, starting at 7.110 MHz for the first 30 min and then at 7.040+ for the next 1.5 hours.

gl es cul,

dit dit

SIG

Chuck Adams K5FO CP-60

adams@sgi.com

From owner-qrp-l@netcom.com Sat Oct 29 11:57:44 1994
Message-Id: <199410271901.0AA15675@harbor.ecn.purdue.edu>
From: Duane P Mantick <wb9omc@ecn.purdue.edu>
Subject: Re: Fox Hunt w/a no find
Date: Thu, 27 Oct 1994 14:01:46 -0500 (EST)

>

>

> I listened intently at 0100z on 3710. OK, I know wrong frequency. Heck it

Oh my, you have jogged my memory back to the "good old days" of being a Novice, and running a rock-bound Heathkit DX60B with 3710 being one of the few rocks that I *had*.

And how fondly I remember one of my very first attempts at a CW QSO on 3710 with a KL7something-or-other.....amazing how whenever a "WN-anything" would start a QSO, somebody would pop up sending CQ on that frequency and either not ID *or* give an ID that would be somebody who didn't NEED the novice band....and was usually sending CW at about warp 9.....which was pointless in the novice band anyhow.

Sure hope this isn't still a routine practice....

```
> |-----^-----|
> | PRACTICE RANDOM KINDNESS AND SENSELESS ACTS OF BEAUTY |
> |-----|
>
>
```

Couldn't agree with this .sig more. Nicely said.

Duane
wb9omc

From owner-qrp-1@netcom.com Sat Oct 29 11:40:41 1994
Date: Thu, 27 Oct 1994 21:33:40 -0700 (PDT)
From: Monte Stark <mswmod@sage.unr.edu>
Subject: Re: Fox or Chickens
Message-Id: <Pine.SUN.3.90.941027213303.411A-100000@nimbus>

On Wed, 26 Oct 1994, Roger L Traylor wrote:

```
>
> Text item: Text_1
>
>   Gang,
>       I did not hear the fox in Oregon. I've heard N6ULU before
>   and he has a great signal. I did hear lots of static and 3-land,
>   8-land, and 0-land calls. Sounds like the skip on 40m was long.
>   Maybe this hound should hunt for chickens in the hen house instead of
>   foxes on the run? :^)
>
>   Roger WB4TPW
>
```

I didn't hear a "peep" here in NV either.

.....KU7Y.....
.....Monte "Ron" Stark.....
.....Sun Valley, Nevada.....

From owner-qrp-1@netcom.com Sat Oct 29 10:36:36 1994
Date: Fri, 28 Oct 94 18:17:44 GMT
From: dick@kanga.demon.co.uk (Dick G0BPS)
Message-Id: <5465@kanga.demon.co.uk>
Subject: G-QRP Mini convention 1994

Hi Gang,
The annual G-QRP convention was held once again at the church of Rev George Dobbs G3RJV (St Aidans, Rochdale, Lancs) about 300 dedicated visitors turned up for a great day. Of these 4 were from PA, 4 from DL, 1 from VE, 1 from OK. The usual US visitors missed for various reasons as did the SMs and the LAs.

Only a few kit manufacturers, component suppliers were there with a huge pile of surplus equipment also being available. The bring and buy was run by the local club, The "best buy" being an HW9 changing hands for 175, (abt \$250). The club stand did great business selling components, books circuit boards for club projects and taking new members.

David GM4ZNX took his usual Q & A session, giving answers to all and sundry questions on the hobby. David has a photographic memory and when asked any question will always give an answer, I have yet to see him give a wrong answer. He also took the latest HP spectrum analyser along to check out members equipment. Ian G3R00 also sat and gave constructional advice to all that needed help.

Lunch was provided by church ladies and was as usual the local delicacy Meat pie and mushy peas accompanied by pickled red cabbage. Wow! its good.

As this is the 20th birthday of the club a party was held in the evening at Georges and a cake cut by RJV, copious amounts of toasts were made with a few thick heads appearing in the morning.

1995 is the 21st Birthday of the club and no doubt the convention in October will be very special. All visitors world wide are always made most welcome. Without doubt this is the premier event in the QRP calender in the whole of Europe.

As you may have guessed I loved it.

TTFN de Dick G0BPS

--

Dick G0BPS / G0R00
Kanga Products

A member of the DRAGONSLAYERS QRP Group
(Remember that sometimes the Dragon wins)

[The opinions expressed here are always that of the management,]
[I am the management!! (especially when she lets me)]

From owner-qrp-l@netcom.com Sat Oct 29 15:19:44 1994
Date: Wed, 26 Oct 1994 08:46:38 -0500 (CDT)
From: Kevin Anderson <anderson@ncrsun1.ncr.usace.army.mil>
Subject: hamstick address and pricing?
Message-Id: <Pine.3.89.9410260818.G27606-01000000@ncrsun1>

Can someone post "how to purchase" information on the
hamstick. Chuck mentioned it two weeks ago, and now this
discussion has me wondering about. I don't any Lakeview
(or whatever) adverts in QST. Thanks! 73 de kevin kb9iua

Kevin L. Anderson, CENCR-PD-W, U.S. Army Corps of Engineers
Rock Island District Office, Planning Div.-Waterway Systems
Rock Island, Illinois 61204-2004, USA phone:(309) 794-5605
e-mail: anderson@ncrsun1.ncr.usace.army.mil

Opinions expressed here are my own and do not represent the
U.S. Army Corps of Engineers or the Federal Government.

From owner-qrp-l@netcom.com Sat Oct 29 13:05:19 1994
Date: Thu, 27 Oct 94 09:24:53 MDT
From: miker@cc.com (Mike Robinson)
Message-Id: <9410271524.AA25848@cc.com >
Subject: Hamstick Dipole

I received many messages about the success of the
suggested hamstick dipole. I'm gonna try it. I just
don't know which band yet.

Thanks to all of you. It's sort of funny. I had this
idea several months ago. But it wasn't until now, with
this list, that it was confirmed. In fact many have been
using the hamstick dipole for a while. Great minds, ya' know.

=====
7.3 de Michael kg0ot (formerly kd6wdd, soon to be aa0s_)
miker@cc.com ---<< I'm the last 'S' in KISS >>===
=====

From owner-qrp-l@netcom.com Sat Oct 29 06:43:13 1994
Date: Sat, 29 Oct 94 09:01 GMT

From: csljohns@cix.compulink.co.uk (Carl Littlejohns)
Subject: Homebrew?
Message-Id: <memo.831109@cix.compulink.co.uk>

Another message in this list set me thinking. Is my homebuilt kit on 40m homebrewed or should I just call it what the manufacturer called it and pretend he/she built it?

I'd like to call it H/B actually, but I never thought about this before?

Carl GW0TQM
csljohns@cix.compulink.co.uk

From owner-qrp-l@netcom.com Sat Oct 29 15:08:19 1994
Message-Id: <2eae8100.pandora@pandora.uucp>
Date: Thu, 27 Oct 1994 00:16:58 +0800
From: "W. Daniel" <pandora!daniel>
Subject: I got my TICKET!!!!!!! Yayyyy!

Hi Gang,

Guess what ... I am 9V1ZV yep, just got the ticket today, after a long long long wait. Can't get on HF till December though, when I get it upgraded. Right now just on 2M. Thanks to all who helped me out, getting the rig etc. that is.

73 de 9V1ZV,
Daniel

--

```
+-----+-----+
| Daniel Wee | daniel%pandora@csah.com |
| UUCP1.12b | daniel.wee@f516.n600.z6.fidonet.org |
+-----+-----+
```

** It is great wisdom not to rush into action nor
obstinately hold our own opinions ** Thomas A Kempis

From owner-qrp-l@netcom.com Sat Oct 29 09:26:57 1994
Message-Id: <199410281457.JAA28186@harbor.ecn.purdue.edu>
Date: Fri, 28 Oct 1994 09:57:50 -0500
From: Duane P Mantick <wb9omc@ecn.purdue.edu>
Subject: Re: Isotron and QRP

Interesting comments on the Isotron. I recently bought one due to the "apartment dwelling thing". While I haven't had a chance to tweak it up and try it out yet (its a ten meter unit), I will be interested to see how it performs compared to my "inside-the-attic" center fed wire

dipole.....I gotta think that almost ANYthing would work better.

For contests I usually set up a temporary outside mast and put my Cushcraft AR10 vertical up. I don't want to LEAVE the AR10 up, mostly because I don't think it would survive very long in this dumb Indiana weather, and also because it turns out that since you can telescope it back down again it makes a very portable, easy to assemble field antenna (believe it or not).

I will admit that the wire dipole works a lot better **after** I bought the MFJ tuner and can tweak things a bit. Still, when I have the AR10 up outside I can **easily** tell the difference is not only the signal strength of incoming signals but the reports I get BACK, which follows being able to work stations that the in-attic dipole doesn't even touch.

Question for those who have tried the Isotron - do you seem to get any kind of a "directional" sense to it? I know its supposed to be a more or less omnidirectional antenna, but sometimes reality is different.... :-)

Duane
wb9omc

From owner-qrp-l@netcom.com Sat Oct 29 10:54:02 1994
From: JEVERHART@cayman.vf.ge.com
Date: Fri, 28 Oct 1994 10:08:50 -0400 (EDT)
Message-Id: <941028100850.2120a526@cayman.vf.ge.com>
Subject: Re: Isotron and QRP

Mike,

I gave my comments on actual results with the Isotron to give a more balanced picture of its usefulness than some of the published reviews have. One of my "squawks" with product reviews is that they are often too positive. Not that they have to trash a product for its shortcomings, but nothing is ever perfect, either. The best kind of review gives its readers an idea of the relative utility or usefulness of the product. My analogy between operating with QRP into a full-size antenna and the Isotron with QRP is an attempt to give the Internet group enough info to realistically judge the Isotron's merits.

BTW, I'm not negative toward the antenna. If I were a QRO kind of guy, it would be great. And the proprietor, Ralph Bilal was very helpful to me. The antenna I got was basically brand new, but had no instruction book. Ralph helped me get it going.

(Personal aside - I saw the comment about my unending supply of Joe's Quickies in your QQ column. You ain't seen nothin' yet!)

72,

Joe E. N2CX

From owner-qrp-l@netcom.com Sat Oct 29 11:31:30 1994
Date: Fri, 28 Oct 1994 11:14:23 +0500
From: Frank.Milos@East.Sun.COM (Frank Milos - SUN WWOPS New Products Project Manager)
Message-Id: <9410281514.AA09154@quirp.East.Sun.COM>
Subject: RE: K5FO/6

So close and yet so far...

I've been in Milpitas all week but fly out this afternoon back to NH.
Maybe on next time!

Got to finish the NorCal 40 and put together a portable station.

-Frank, N01E

----- Begin Included Message -----

>From owner-qrp-l@netcom.com Fri Oct 28 08:07 EDT 1994
>From: adams@chuck.dallas.sgi.com (chuck adams)
To: qrp-l@netcom.com
Subject: K5FO/6
Sender: owner-qrp-l@netcom.com
Precedence: list
Content-Type: text
Content-Length: 204
X-Lines: 15

For the gang in MtView area. Two Guys from Italy at 6:30pm.

Doug KI6DS will be there and several others. Be there and be square.

cul

dit dit de k5fo/6

SIG
Chuck Adams K5FO CP-60
adams@sgi.com

----- End Included Message -----

From owner-qrp-l@netcom.com Sat Oct 29 12:12:19 1994
From: WB3LGC@aol.com
Date: Fri, 28 Oct 1994 10:03:07 -0400
Message-Id: <9410281002584620735@aol.com>
Subject: Keys for BACKPACKING ??

I am collecting information on KEYS for use while backpacking. Weight is an important factor, I don't think I'll haul my Bencher. It needs to be "solid" too, the Bencher wouldn't take the ride without special packaging and more weight.

1. Should I stick with a straight key?
2. I have a small machine "shop", are there any designs for "bomb proof" keys?

ps: I am looking at this project as a way of "forcing" me to use cw, so I can upgrade. I already enjoy QRP, my IC502 (6 meters @ 2w) has gone on a few backpacking trips.

73, Steve - WB3LGC

From owner-qrp-l@netcom.com Sat Oct 29 21:06:03 1994
Date: Sat, 29 Oct 1994 17:27:21 -0500 (CDT)
From: Bob Howle <bhowle@freud.inst.com>
Subject: Re: Keys for BACKPACKING ??
Message-Id: <Pine.SOL.3.90.941029172022.8059A-1000000@freud>

On Fri, 28 Oct 1994 WB3LGC@aol.com wrote:

> I am collecting information on KEYS for use while backpacking. Weight is an
> important factor, I don't think I'll haul my Bencher. It needs to be "solid"
> too, the Bencher wouldn't take the ride without special packaging and more
> weight.

Steve -

I'm faced with the same problem - the Bencher really would add extra weight to your pack! I'm considering a design that would use a flexible piece of flat brass stock - this might clip or screw on or be attached to your pack frame with rubberbands. Not at elegant

as the Bencher, but just the same the dits are on one side and the dahs are on the other. With the weight you save you can carry a larger battery!

BCNU / Bob / WA4ZID

From owner-qrp-l@netcom.com Sat Oct 29 13:11:47 1994
Message-Id: <9410270025.AA04703@atm.com>
Date: Wed, 26 Oct 1994 17:30:56 -0700
From: kevinpu@atm.com (Kevin Purcell)
Subject: Maximising your dynamic range

David Johnson <djohnson@acpub.duke.edu> said:

>You mention an overly sensitive receiver? Don't
>see how that could be, but I guess the point may be
>that "you can't push on a rope", as my physicist
>friend is fond of saying. Is this the same idea as
>the futility of trying to reach beyond the point
>of diminishing returns?

The problem is that all receivers have a finite dynamic range.

If your receiver is "overly sensitive", meaning that its noise figure is below the external noise level, then you are wasting some of your precious dynamic range (at the large signal end).

"overly sensitive" RX:

```
      MDS      External noise floor      Smallest signal to generate spurii
====+=====|=====\\=====
      <-- effective dynamic range -->
      <----- dynamic range ----->
```

"RF gain is set just right" RX:

```
      External noise floor
      MDS      Smallest signal to generate spurii
=====+=====\\=====
      <----- dynamic range ----->
      <----- effective dynamic range ----->
```

The solution is to make your receiver just sensitive enough to hear an increase in external noise when the antenna is plugged in. This is the best way to determine the maximum value of the RF gain control on an RX. Then

you'll maximise your dynamic range.

Kevin Purcell Attachmate Corp | kevinpu@atm.com | 206/649-6489
Seattle dBug Mac Developers SIG Organiser | xenolith@halcyon.com | N7WIM / G8UDP

From owner-qrp-1@netcom.com Sat Oct 29 13:13:39 1994
From: Scott Richard Rosenfeld <ham@wam.umd.edu>
Date: Thu, 27 Oct 1994 10:24:27 -0400
Message-Id: <199410271424.KAA22008@rac2.wam.umd.edu>
Subject: Re: MFJ 9030

What options has it got?

Scott
NF3i

From owner-qrp-1@netcom.com Sat Oct 29 16:50:15 1994
Date: Sat, 29 Oct 1994 11:17:11 -0700 (MST)
From: Richard Kendrick <rrk@ramp.com>
Subject: Milliwatt Reprints
Message-Id: <Pine.3.89.9410291120.A1235-0100000@glock.ramp.com>

The Milliwatt reprint package arrived here in Phoenix on Friday, October 28, safe and sound. The envelope (and more important, its contents) survived nicely.

Thanks to Rich Arland, K7HYA, and Danny Gingell, K3TKS, for loaning their precious back issues for copying. Thanks to Mike Czuhajewski, WA8MCQ, and Bill Kelsey, N8ET, for all the grunt work getting them copied and mailed. The print quality, graphs, and photos are excellent.

Thanks guys!

Richard Kendrick CET WA7TWI
rrk@ramp.com

From owner-qrp-1@netcom.com Sat Oct 29 16:03:10 1994
From: scott.thomas@circellar.com
Message-Id: <9410281946.0RRYD01@circellar.com>
Date: Fri, 28 Oct 94 19:46:19 -0400
Subject: MISC.

Hello Gang,

I have been reading this list's messages for about a week now, and am enjoying it. A good deal of mail each day to keep up with! Heard about it from the recent QRP 1/4ly - thanks Mike.

Wal Marts are moving into this Northeast area, and they offer something that might be of interest to many... a neat little DMM for less than \$20 (model DM 301). It has everything you'd expect in a lower cost meter except ACa, and it makes a fine spare or even primary meter. Spec says it will last 200-400 hours on a 9v.

Nope, I don't work for W.M. but do wish I had some of their stock!

Scott; NM1J

From owner-qrp-l@netcom.com Sat Oct 29 13:44:06 1994
From: ab4el@Cybernetics.NET (Stephen Modena)
Message-Id: <9410270254.AA15077@Cybernetics.NET>
Subject: N6ULU is loud!
Date: Wed, 26 Oct 1994 22:54:44 -0400 (EDT)

Just finished working N6ULU, Stan, Monterey, CA running his 3 watts to a yagi at 90+ feet.

I believe I was his first QSO in the 7040 segment.

f=7041.64 KHz...his 559-QSB-to-579...mine 449 (4 watts).

His signal was clean and keyed nicely.

Band sounded good...

As predicted by K5F0...no problem hearing him!

73/Steve/AB4EL ab4el@Cybernetics.NET

From owner-qrp-l@netcom.com Sat Oct 29 13:37:41 1994
Date: Wed, 26 Oct 94 21:54:12 PDT
From: dh@deneb.csustan.edu (Doug Hendricks)
Message-Id: <9410270454.AA02373@deneb.csustan.edu>
Subject: Need 602's

I am planning on going to the dinner at 2 Guys from Italy Thursday night at 6:30, and I need some NE602AN chips. Can anyone get me about 10 of them and

meet me there? Sure would appreciate the help. I also need 2 one quarter inch slug tuned coil forms. I am building a new SSB rig that Bruce Gellately gave me and I am planning on printing in the March issue of QRPp. Thanks, Doug. I will be home at noon to check my email. 72. Message filed at 10:00 PM PDT. Wed. night.

From owner-qrp-l@netcom.com Sat Oct 29 14:13:52 1994
Message-Id: <INELVM1.LVE.483433080094300FINELVM1@INEL.GOV>
Date: 27 Oct 1994 08:33:08 MST
From: "Larry East" <LVE@inel.gov>
Subject: Need Power Resistor Info

Advanced Nuclear Systems Technology
MS 7113 533-4005 lve@inel.gov
Does anyone know where power resistors made by "U.S. Resistor" (formerly "Stackpole") can be purchased? Any info would be greatly appreciated.

Note: I posted this on Monday but never saw it appear on the list (nor received any response) so if you've seen it before, sorry...

Have a productive day :-)

From owner-qrp-l@netcom.com Sat Oct 29 15:33:28 1994
Date: Sat, 29 Oct 1994 12:41:34 -0400 (EDT)
From: Jim Stafford-W4QO <w4qo@america.net>
Subject: Re: NEQRP 30-40 (fwd)
Message-Id: <Pine.SV4.3.91.941029123847.1538B-100000@atl1>

I thought I remembered that there was an 80-40 for 80 meters. I don't belong to NE QRP (blush) but seems like I remember that. Yet I didn't see reference to it in the QST article. 73, Jim, W4QO

On Thursday, 10/27/94, Michael (kg0ot), miker@cc.com wrote...

Every contact is a kick! My 30-40 puts out 950mW. Last night I had a QSO from Ft. Collins, CO to Bristol, Maine. Norm, K1YCS gave me a 449. I can't get enough of this QRP stuff.

From owner-qrp-l@netcom.com Sat Oct 29 16:01:09 1994
From: jeffrey@math.hawaii.edu
Date: Sat, 29 Oct 94 06:48:04 HST
Message-Id: <9410291648.AA13192@cruncher.math.hawaii.edu>
Subject: Newsgroup vs Mail list

We discussed newsgroup vs. mail list earlier in the year; the two major reasons for keeping the mail list were:

1. There's no flame wars on here - the S/N ratio is extremely high.
2. We would lose some folks since not everyone has access to Usenet.

I was one of the few who pushed for the newsgroup idea with the contention that the specialty newsgroups (which we would be) such as r.r.a.antenna and r.r.a.homebrew are **very** quiet with regard to 'noise' and flames. The noisy groups are r.r.a.misc and r.r.a.policy, which are not specialty groups.

Concerning the idea of an 'alt' group, even those with access to Usenet don't always have the option of subscribing to the alt.groups.

Myself and others periodically announce the existence of this list over on .misc and .homebrew. Anytime I see reference to QRP in any article on any newsgroup that person gets an email from me inviting them to subscribe to our family.

.73W from Hawaii,
Jeff NH6IL

From owner-qrp-l@netcom.com Sun Oct 30 04:16:10 1994
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: Newsgroup vs. mailer
Date: Sat, 29 Oct 94 21:23:19 EST5EDT
Message-Id: <1994Oct29.212319.27127@wb3ffv.ampr.org>

Re NH6ILs comments about not everyone getting USENET--the access I get from this BBS, at the dollar amount I am comfortable paying every month, gives me e-mail plus rec.radio. I can read anything in rec.radio but can only post to rec.radio.amateur.whatever. I do not have any access to alt.whatever. The point here is that there are quite a few different levels of access to various things, depending on what system one is running on. His comments about signal to noise ratio on the rec.radio.amateur newsgroups is right on--the specialty ones like antenna and homebrew are very good, and others are, well....never mind... QRP would certainly fall into the specialty group, and thus would probably have a good signal to noise ratio. It would also bring a lot more folks back--not having the daily digest has certainly hurt us. And I for one find it much easier to browse through a newsgroup than it is to maintain a mailbox. My vote is starting to

swing slightly toward newsgroup. 73 and Queue Our Pea DE WA8MCQ
--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From owner-qrp-1@netcom.com Sat Oct 29 15:07:58 1994
Date: Wed, 26 Oct 1994 08:55:38 -0500 (CDT)
From: Jeff Gold <JMG@tntech.edu>
Subject: qrp secret hint #?
Message-Id: <01HIQ59287J8BETB00@tntech.edu>

Hi all!

well thanks to all you who sent me nice remarks. I did receive some doubting Thomas remarks. Knowing that I am accurately speaking the truth I am paying very careful attention to what I do on the air lately.

Well had to go into the shack last night after working my second job. Had to pack up my Kenwood 850S for shipping to its new owner. With tears in my eyes I severed many custom wires for things such as keying switchboxes and Pactor set up.

I ended up rewiring a bunch of my QRP transceiver and moving them around to make room for the arrival of an Omni VI. Well had to test each of the transceivers and see what had accidentally gotten messed up in the moves. I really need to rewire the whole shack, but never can find the time. Just saw a MFJ switch that allows 6 transceivers to be interconnected to 6 different antennas.. just what I need.. a couple of them.

Well after I got done fixing all the little things I had broken, I sat down in front of my new toy.. the Norcal 40 (which puts out 4 watts on one side of the band and 3.3 or so on the other..and this is with the power turned down). Well I started to take careful note of what I was doing. First I went down to about 7.009 and heard a bunch of people calling a DX station. .gave 2 calls .. no luck.. time involved about 2 minutes (my patience at this point of the evening was non-existent). I was using my Gap vertical and an antenna tuner for the CW portion of the band. Went to a quite portion of the band .. called CQ a few times.. no one around.. time for this less than 3 minutes. Well I wanted to talk to someone and go and vegetate. Stopped for a minute (actually about 20 seconds) and engaged the brain.

Well here it is my ultra-secret tip.. going to be hidden in my

next book: I tuned slowly across the entire band (well the part the Norcal handles.. about 7.008-7.044). I noticed there are different places on the band with different amounts of activity. The lower portion is DX lately and then usually in some spots from about 7.020-7.045 there are a couple of areas that are much more "lively" than others. I find that this is usually the case. and the exact area changes. I usually do this tune around when I want to talk to someone in a hurry. I find the "hot" spot and then try to find a little quiet area in this spot.

Well I did.. called CQ twice.. not a very long wait.. and someone came back to me.. we had a nice chat.. This is USUAL not UNUSUAL.. Well it was a Texas YL who had her license for about 1 year and was 62 years old.. she was really good with the paddles.

if the bands are not good. .I kinda do the same thing.. but do one of two things:

OK, I promised one tip.. there will actually be 3. (Guess the book sales are out the window HI HI):

1) look for someone calling CQ..

2) listen for someone finishing up QSO and call him/her to finish signing and call QRL? de.....

well have a good one.

73,72,71 and still counting

Jeff, AC4HF

From owner-qrp-l@netcom.com Sat Oct 29 15:00:41 1994
Date: Wed, 26 Oct 1994 19:24:22 -0700 (PDT)
From: Monte Stark <mswmod@sage.unr.edu>
Subject: Re: QRP and Hamstick
Message-Id: <Pine.SUN.3.90.941026192043.11382B@nimbus>

On Tue, 25 Oct 1994, Bob Howle wrote:

>
> Has anyone had any luck running 40 m. QRP into a Ham Stick or anyother
> kind of mobile antenna?
>
> I'm starting back to school in January and wondered if it was worth the
> effort to try to knock off a couple of QSOs from the parking lot between
> classes.

>
> Bob / WA4ZID
>
Hi Bob,

I have used an MFJ 9040 into a Hustler on my pick up tool box.
Did a little write up for Chucks' mag, but it stopped before
my note was seen.

Was going to send it to QRPP but can't find the article now!

Anyway, the only trouble I have with it is the power line noise.
Other wise, I can't tell any difference between it and the ts 130
running around 50w.

Have fun, Ron

.....KU7Y.....
.....Monte "Ron" Stark.....
.....Sun Valley, Nevada.....

From owner-qrp-l@netcom.com Sat Oct 29 14:02:24 1994
From: KELL@LARK.JSC.NASA.GOV
Date: Thu, 27 Oct 1994 7:55:40 -0500 (CDT)
Message-Id: <941027075540.336@LARK.JSC.NASA.GOV>
Subject: Re: QRP+

From: Robert Gobrick <bgobrick@random.ucsf.edu>

Dave you just about had me convinced to buy the QRP + until your last
line when you wanted Index Labs to change to a Type A rather than a Type
B Curtis keying - NO WAY - I WILL NOT BUY IT IF THAT HAPPENS.

Only kidding... Do people still use Type A iambic keying... I thought
that went out with converted vibroflex keyers....

72 ;-) Bob VO1DRB/WA6ERB

OK, I'm a newbie. What is the difference? For that matter, what is type A
and what is type B?

72

Ted Kell@lark.jsc.nasa.gov
KC5CUW

From owner-qrp-l@netcom.com Sat Oct 29 15:10:30 1994
Date: Wed, 26 Oct 1994 12:31:00 +0000
From: william.redfearn.cmwd@nt.com

Message-Id: <"10347 Wed Oct 26 07:30:37 1994"@nt.com>
Subject: re:QRP+

Hi Harvey,
Here are some of my comments on some of the items you mentioned in your post on the QRP+.

>174 or so. When I had talked with Index about a month ago they stated
>that at that time a couple hundred unit were "out there".

I have QRP+ # 232.

>last few years I jumped in a ordered a Ten Tec Argo 556. A nice little
>rig but I could not tolerate the inaccurate tuning of it's PT0. I tried
>for their evaluation, etc. After being told that what I was complaining
>about could be eliminated by tuning in a cw signal using the RIT I chose

I've had two 555 Scouts. The PT0s on both seemed to tune fine. The problem I had was that Ten-Tec specced that the TX sidetone, TX offset, and center frequency of the crystal filter were 750 Hz. In fact, with the Jones filter in the narrow position the center frequency was about 500 HZ. So with a CW signal peaked in the filter at 500 Hz, the TX sidetone did not match and the TX offset was 250 HZ high (enough so the other station might not hear your signal). Since the IF is shared for SSB and CW, adjusting the BFO frequency to get the center of the crystal up to 750 Hz mangled the SSB audio response. Ten Tec's solution was to have you use the RIT to tune in a CW signal at 750 Hz. I padded the sidetone oscillator down to 500 Hz and re-set the TX offset to 500 Hz and successfully used it that way.

>The receiver was very noisy and did not match up to the sensitivity of
> my MFJ 9020. Although it was, I guess usable.

The receiver is somewhat noisy. Connecting an antenna seems to mask the noise. I don't feel that the QRP+ was any noisier than the MFJ90XX rigs that I have had, but I don't currently have one to actually test it against.

On a test on 20 meters, a CW signal which ran S6 - S7 on the Scout was S5 - S6 on the QRP+. I'm still trying to think of a good general test for sensitivity and minimum discernable signal.

>The constant "pinging" at each attack of the agc was too much of an

This is the 'pop' from the audio derived AGC. Good designs can reduce this but it will always be there to some extent and is a characteristic of audio derived AGC.

>I got a couple of reports of poor, weak, audio on SSB. This could well

>have been my mic. Don't know. I tried to use the mic I had used with
>the Argo, which brought raves about the quality of audio, by coupling it
>thru a cap to block the dc but it didn't work.

I've tried three mikes including the Scout mike with about the same results. So far the best mike has been a homebrew electret mike built with junk box parts. Rob, WA3ULH, has reported good results with the mike that Index Labs sells to go with the QRP+. I'm reluctant to spend \$25-\$30 on a mike (but \$100 for a CW paddle is OK :-)).

>The SCAF filter was great! Never heard anything like it. Really top

Yep, I like it too.

=====
Dave Redfearn, SR PC LAN Analyst Northern Telecom RTP, NC.
ph.(919) 992-3925 email: cmwdr01@nt.com qrl? de N4ELM/qrp

All opinions are my own and do not necessarily reflect the views of my employer, co-workers or any other person, real or imaginary.

From owner-qrp-1@netcom.com Sat Oct 29 12:41:19 1994
Date: Thu, 27 Oct 1994 11:50:00 +0000
From: william.redfearn.cmwdr01@nt.com
Message-Id: <"19096 Fri Oct 28 08:45:15 1994"@nt.com>
Subject: QRP+ Info - Part 2

I set up a test to try and evaluate the minimum signal that the QRP+ can hear compared to a Ten Tec Paragon (the Scout is on its way to a new owner).

I used a 3.6864 Mhz, 40 milliwatt transmitter with the output T connected to a 50 ohm load and the input of a 120 DB step attenuator. The output of the attenuator connected to the input of the radio under test.

The Pargaon was tested with the 500 Hz filter selected and the QRP+ was tested with the 500 Hz filter selected.
The test was performed at 14.7456 Mhz (4th harmonic of 3.6864 Mhz) because I wanted to test in the 14 Mhz band.

The procedure was to connect the radio to the attenuator output, tune in the 14.745 Mhz signal, and reduce the attenuator to the point where the signal was last heard.

Both the Paragon and QRP+ heard the signal down to -90 db.

The QRP+ did not hear the signal at -100 db.
On the Paragon the signal was just barely discernable at -100 db.

Also noted:

At -40 db the signal was S7 on the Paragon and S8 on the QRP+.

At -60 db the signal was S4 on the Paragon and S3 on the QRP+.

So, compared to the Paragon the QRP+ hears pretty well.

73 - Dave.

=====
Dave Redfearn, SR PC LAN Analyst Northern Telecom RTP, NC.
ph.(919) 992-3925 email: cmwdr01@nt.com qrl? de N4ELM/qrp

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my employer, co-workers or any other person, real or imaginary.

From owner-qrp-l@netcom.com Sat Oct 29 15:05:51 1994
Date: Wed, 26 Oct 1994 12:38:00 +0000
From: william.redfearn.cmwdr01@nt.com
Message-Id: <"11094 Wed Oct 26 07:37:16 1994"@nt.com>
Subject: QRP+ price info

A couple of people has asked about price or contact info for
the Index Labs QRP+ so here it is.

QRP+ - \$595.00 + shipping

Index Laboratories
9318 Randall Dr. NW
Gig Harbor, WA 98332

(206) 851 5725.

I don't represent Index Labs in any way, I'm just a customer
in test mode with a QRP+.

=====
Dave Redfearn, SR PC LAN Analyst Northern Telecom RTP, NC.
ph.(919) 992-3925 email: cmwdr01@nt.com qrl? de N4ELM/qrp

All opinions are my own and do not necessarily reflect the views of
my employer, co-workers or any other person, real or imaginary.

From owner-qrp-l@netcom.com Sat Oct 29 14:48:11 1994
Subject: Re: The Fox N6ULU
Date: Wed, 26 Oct 94 22:12:41 PDT

From: "Stan Goldstein, N6ULU" <stan@cruzio.com>
Message-Id: <9410262212.aa26897@cruzio.cruzio.com>

Hello Chuck and the Internet Fox Hunting Gang,
Finally had my turn as the fox.
Felt like a real contest with all the qrm.
Thought about turning on the BIGRIG & AMP to get a clean freq
as a lot of guys were severely encroaching on the freq, but I
didn't and made my stand qrp.
Worked 14 guys for sure and 1 maybe.
The maybe and I exchanged sig reports, but when I asked him if
he was in the fox hunt , he didnt come back to me.

The 14 in the log are :

1	w1hue	Larry	8	kf8ee	Ted ?
2	n4uox	Clay	9	k8bvj	Jack
3	w3pm	Gene	10	wb2sxn	Bing
4	ab5ou	Tim	11	n1irz	Dave
5	ac4qx	Red	12	ab4el	Steve
6	w5tfb	Jack	13	w2rxg	Bob
7	k5up	Glen	14	wa3nna	Pete

The maybe was kb7so.

I enjoyed doing this a lot, Thanks Chuck for setting this up.

72 Stan.

--

Stan Goldstein , N6ULU

From owner-qrp-l@netcom.com Sat Oct 29 09:33:26 1994
Message-Id: <199410281430.AA18541@orion.aoc.nrao.edu>
Date: Fri, 28 Oct 1994 08:30:33 -0600
From: Dave Finley <dfinley@aoc.nrao.edu>
Subject: Re: Type A and B Iambic Keying

David Taylor asked:

I'd be very interested in a description of type A and type B Iambic keying,
and why type A is to be avoided?

Here's the answer:

With Type A keying, if I'm squeezing both paddles and let go, the
keyer completes the element (dit or dah) in progress when I let
go, then stops. With Type B, it completes that element and then

sends one of the opposite element before stopping.

That means that if I want to send, for example, K, iambically, with Type A, I squeeze both paddles, making sure I hit the dah one first, then hold until the second dah starts. As soon as it starts, I release both paddles and the keyer completes the dah. With Type B, I would have to release both paddles as soon as I hear the dit in the middle. The keyer would complete the dit, send a dah, then quit.

I think Type A was the first, or at least was the first type implemented in a Curtis chip. The current Curtis Chip, the 8044ABM, will do either, and is switchable between them. However, most built-in keyers in rigs use Type B. I believe the Super CMOS Keyer that is quite popular is a Type B.

If someone is going to learn Iambic keying for the first time, it would be advisable to learn Type B, because it is fast becoming the standard. Once you've learned one or the other, it is extremely difficult to change over. I learned Type A, so will forever hoard chips that work that way.

Hope this helps.

73,

Dave, N1IRZ

----- End Included Message -----

From owner-qrp-l@netcom.com Sun Oct 30 04:47:22 1994
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: Re UHF tuners
Date: Sat, 29 Oct 94 21:09:39 EST5EDT
Message-Id: <1994Oct29.210939.26681@wb3ffv.ampr.org>

Re the recent comment from NH6IL that UHF TV tuners have a great cap: I said the same thing in the Idea Exchange in the QRP Quarterly back in the late 80's, before I took over the column. Tuning is highly nonlinear due to the shape of the plates, but if you tie all three sections together you get a good delta-capacitance. Note--we're talking about the older ones which do have a real cap, not varactor tuning. You do have to remove the ball bearing which provides the detent, and that typically takes 5 seconds with a Philipps screwdriver. As for the caps themselves, they're built into the housing of the tuner so you have to keep the whole thing, but it's not that big, and the

caps are built like a tank. You may well find they have a dead short from the stator to ground--at UHF TV freqs, that's a fine inductor but for HF it's a dead short so you have to carefully remove that little strip of metal. Neat caps, and I save every UHF tuner I can find. (Do I ever use them? Nah, but I still save them!) 73 and Queue Our Pea DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From owner-qrp-1@netcom.com Sat Oct 29 14:32:39 1994
Date: Thu, 27 Oct 94 08:48:56 EDT
From: teda@meaddata.com (Ted Albert)
Message-Id: <9410271248.AA22189@rain.meaddata.com>
Subject: Worked the fox....

Found N6ULU calling CQ on 7040 at 0200Z and worked him. Took cranking the filters to the narrowest bandwidth possible to work him through the QRM. He did a great job hanging in there to get me in the logbook. Used the Argonaut II at 5 watts.

Also got a qsl card yesterday from KQ4X in Nashville, Tenn confirming my qso with his 35 mw homebrew rig on 80 cw. And I was running 5 watts....I hang my head in shame.... :-)

73 de Ted, KF8EE
QRP ARCI #8544